



# HRX-835A

8CH Pentabrid DVR



## Key Features

- 5-in-1 8CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Total 10CH(Analog Maximum 8CH and Network Maximum 10CH), up to 8MP
- H.265, H.264, MJPEG codec
- 8fps@8MP, 12fps@5MP, 15/12fps@4MP, 30/25fps@2MP recording
- Coaxial control
- Up to 4 SATA HDDs(6TB/HDD)
- HDMI/VGA Dual monitor (Expand mode)
- P2P service (QR code connect)

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## Specifications

|                |                       |                                                                                                                                                                                                                                                                                   |
|----------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display        |                       |                                                                                                                                                                                                                                                                                   |
| Analog camera  | Inputs                | 8CH(1Vp-p 75ohm, BNC)                                                                                                                                                                                                                                                             |
|                | Signal Type           | AHD(8MP, 5MP, 4MP, 1080p, 720p)<br>HDTVI(8MP, 5MP, 4MP, 1080p, 720p)<br>HDCVI(8MP, 5MP, 4MP, 1080p, 720p)<br>CVBS(NTSC/PAL)                                                                                                                                                       |
| Network camera | Inputs                | 2CH (Up to 10CH)                                                                                                                                                                                                                                                                  |
|                | Resolution            | 8MP ~ CIF                                                                                                                                                                                                                                                                         |
|                | Protocols             | SUNAPI(Wisenet), ONVIF                                                                                                                                                                                                                                                            |
| Live           | Local Display         | 1x HDMI, 1x VGA (Dual monitor)<br>HDMI: 3840 x 2160, 2560x1440, 1920x1080, 1280x1024, 1280x720<br>VGA: 1920x1080, 1280x1024, 1280x720, 1024x768                                                                                                                                   |
|                | Resolution            | [Analog Camera(NTSC/PAL)]<br>- 8MP(15/12fps), 5MP(20/12fps), 4MP(30/25fps),<br>2MP(30/25fps), 1MP(30/25fps), 960H(or 720H)(30/25fps)<br>* per CH<br>[Network Camera]<br>- 2MP(up to 30fps/CH)                                                                                     |
| Performance    |                       |                                                                                                                                                                                                                                                                                   |
| Record         | Compression           | H.265, H.264, MJPEG                                                                                                                                                                                                                                                               |
|                | Record Rate(Analog)   | (Main Stream, NTSC/PAL) 8M 8/8fps, 5M 12/12fps, 4M 15/12fps, 2M 30/25fps, 720p 30/25fps, Under 960H 30/25fps/CH<br>(Sub Stream) 720p/CH or Higher : 640x368 Full fps, SD : up to SD Full fps<br>* The maximum recording frame rate depends on the frame rate of the input camera. |
|                | Recording Bandwidth   | Max. 80Mbps                                                                                                                                                                                                                                                                       |
|                | Resolution            | 8MP ~ CIF                                                                                                                                                                                                                                                                         |
|                | Mode                  | Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark                                                                                                                                                                                                       |
|                | Event Trigger         | Alarm Input, Video Loss<br>Analog Camera : Video Loss, Motion Detection, Tampering<br>Network Camera : Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event                                                                                       |
|                | Event Action          | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown                                                                                                                                                                                     |
| Search & Play  | Playback Bandwidth    | Max. 32Mbps (10CH simultaneously)                                                                                                                                                                                                                                                 |
|                | User                  | Max. 4 Users (Local 1, Remote 3)                                                                                                                                                                                                                                                  |
|                | Simultaneous playback | 10CH(Local Monitor), 10Ch (CMS), 4Ch (Wisenet Mobile), 1Ch(Web)                                                                                                                                                                                                                   |
|                | Fisheye Dewarping     | CMS (only N/W Camera)                                                                                                                                                                                                                                                             |
| Storage        | Supported HDD         | Up to 6TB                                                                                                                                                                                                                                                                         |
|                | HDD Slot              | SATA 4ea(Max 24TB)                                                                                                                                                                                                                                                                |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com).

Hanwha Vision is formerly known as Hanwha Techwin.

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|                       |                                                                                                                                                                                                                    |                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Backup                | File backup                                                                                                                                                                                                        | Set : Recorder, SEC, AVI<br>Webviewer : AVI                                              |
|                       | Function                                                                                                                                                                                                           | Max. 10 CH play, Date-time/title display                                                 |
| Functions             |                                                                                                                                                                                                                    |                                                                                          |
| PTZ                   | Control                                                                                                                                                                                                            | Via GUI, Webviewer, SSM, SmartViewer, Wisenet Mobile Viewer, System Controller           |
| Smart phone           | Support Model                                                                                                                                                                                                      | iOS, Android                                                                             |
|                       | Protocol Support                                                                                                                                                                                                   | RTP, RTSP, HTTP, CGI(SUNAPI)                                                             |
|                       | Control                                                                                                                                                                                                            | Live(8ch) : Multi-Profile Support<br>Playback(4Ch Multi Playback, Max 2MP)<br>Event push |
|                       | Max. Remote Users                                                                                                                                                                                                  | Search(3), Live Unicast(10)                                                              |
| Redundancy            | ARB                                                                                                                                                                                                                | Support                                                                                  |
| Easy configuration    | Setup Wizard (Language Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code)                                                                                                                     |                                                                                          |
| Coaxial Control       | CVBS(Pelco-C)/AHD/CVI/TVI                                                                                                                                                                                          |                                                                                          |
| Interface             |                                                                                                                                                                                                                    |                                                                                          |
| HDMI                  | 1EA                                                                                                                                                                                                                |                                                                                          |
| VGA                   | 1EA                                                                                                                                                                                                                |                                                                                          |
| BNC                   | 8CH In / 1CH Out(Spot Output)                                                                                                                                                                                      |                                                                                          |
| Audio                 | Out(1EA, RCA, Line)                                                                                                                                                                                                |                                                                                          |
| Ethernet              | RJ-45(10/100/1000BASE-T)                                                                                                                                                                                           |                                                                                          |
| Alarm                 | In 8EA, Out 4EA<br>- Relay Out1(NO/NC/COM)<br>- Relay Out2~4(NO/COM)                                                                                                                                               |                                                                                          |
| USB                   | 2EA(Front USB2.0, Rear USB 3.0))                                                                                                                                                                                   |                                                                                          |
| Serial(Protocols)     | RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ                                                                                                                                                                   |                                                                                          |
| Power inlet           | 1EA AC                                                                                                                                                                                                             |                                                                                          |
| System                |                                                                                                                                                                                                                    |                                                                                          |
| System Control        | Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000, SPC-2001)                                                                                                                                        |                                                                                          |
| Language              | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Romanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai |                                                                                          |
| Environmental         |                                                                                                                                                                                                                    |                                                                                          |
| Operating Temperature | 0°C to +40°C(+32°F to +104°F)                                                                                                                                                                                      |                                                                                          |
| Operating Humidity    | 20% ~ 85% RH                                                                                                                                                                                                       |                                                                                          |
| Certification         | UL, CE, FCC, KC, UKCA                                                                                                                                                                                              |                                                                                          |
| Electrical            |                                                                                                                                                                                                                    |                                                                                          |
| Power Input           | 100~240 VAC±10%, 50/60 Hz                                                                                                                                                                                          |                                                                                          |
| Power Consumption     | Max. 100W (6T HDD 4ea)                                                                                                                                                                                             |                                                                                          |
| Mechanical            |                                                                                                                                                                                                                    |                                                                                          |
| Color / Material      | Black / Metal                                                                                                                                                                                                      |                                                                                          |
| Dimension (WxHxD)     | 440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")                                                                                                                                                                        |                                                                                          |
| Weight                | Approx. 6.0Kg (13.2 lb, 4TB HDD 1ea)                                                                                                                                                                               |                                                                                          |
| Network               |                                                                                                                                                                                                                    |                                                                                          |

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|                        |                                                                                                                                                                                                                                                                                                                      |                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Protocol               | TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)                                                                                                                                  |                                                                          |
| DDNS                   | Wisenet DDNS                                                                                                                                                                                                                                                                                                         |                                                                          |
| Transmission speed     | Analog Camera<br>(Main Stream) 8MP 8/8fps CH, 5M 12/12fps, 4M 15/12fps, 2M 30/25fps, 720p 30/25fps, 960H/640H 30/25fps(NTSC/PAL per CH)<br>(Sub Stream) 720p or higher : 640x368 full fps/CH, SD signal : up to CIF full fps/CH<br>* The maximum recording frame rate depends on the frame rate of the input camera. |                                                                          |
| Transmission Bandwidth | Max. 64Mbps                                                                                                                                                                                                                                                                                                          |                                                                          |
| Audio                  | Input/Output                                                                                                                                                                                                                                                                                                         | 8 Lline in (RCA 4 Line, Option : Audio Extension Cable) / 1Line line out |
|                        | Compression                                                                                                                                                                                                                                                                                                          | G.711 (N/W Camera G.711, 726)                                            |
|                        | Audio Communication                                                                                                                                                                                                                                                                                                  | 2-Way                                                                    |
| Max Remote Users       | Search(3), Live Unicast(10), Multicast(20)                                                                                                                                                                                                                                                                           |                                                                          |
| Security               | IP address filtering, User access log, 802.1x Authentication, Encryption (ID/PW, Recording, Transmission, Backup)<br>Device Certificate(Hanwha Vision Root CA)                                                                                                                                                       |                                                                          |
| Viewer Software        | SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer, Wisenet Viewer                                                                                                                                                                                                                                                   |                                                                          |

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CAD

Unit:mm [inch]

